

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-023555**Date Inspected:** 08-May-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai

CWI Name:	Tian Lei, Liu Fa Wen, Chen Shigang			CWI Present:	Yes	No
Inspected CWI report:	Yes	No	N/A	Rod Oven in Use:	Yes	No N/A
Electrode to specification:	Yes	No	N/A	Weld Procedures Followed:	Yes	No N/A
Qualified Welders:	Yes	No	N/A	Verified Joint Fit-up:	Yes	No N/A
Approved Drawings:	Yes	No	N/A	Approved WPS:	Yes	No N/A
				Delayed / Cancelled:	Yes	No N/A
Bridge No:	34-0006			Component:	OBG	

Summary of Items Observed:

On this date Caltrans OSM Quality Assurance (QA) Inspector R. Hernandez was present during the time noted above and conducted observations relative to the work being performed.

The QA Inspector randomly observed the following work in progress:

Bay Number 1

This QA inspector performed VT of the area previously tested and accepted by ZPMC Quality Control personnel. All components were as listed on NWIT notification no. 09066. The member(s) is/are identified as OBG Bike Path Handrail components identified below with the following identifying weld no.(s):

1. NS-2-PP063.
2. NS-2-PP0107.
3. NS-2-PP051.
4. NS-2-PP043.
5. NS-2-PP061.
6. NS-2-PP045.
7. NS-2-PP049.
8. NS-2-PP039.
9. NS-2-PP019.
10. NS-2-PP037.

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- 11. NS-2-PP023.
- 12. NS-2-PP035.
- 13. NS-2-PP041.
- 14. NS-2-PP021.
- 15. NS-2-PP017.

This inspector observed ZPMC personnel welding of components identified as Lift 13 & 14 lifting frame beam.

Bay Number 5

This inspector observed ZPMC QC personnel performing UT inspection on components identified as 3026TR1-001, 3025TR1-001, & 3007TR2-001.

Bay Number 7

FCAW welding of complete joint penetration welds located on Cantilever Box Bracket Assembly component identified as BKSA014-001 weld no.(s) 003 & 004. Welder is identified as welder no. 046706. The welding variables recorded by ZPMC QC identified as Liu Fa Wen appeared to comply with applicable WPS(s) WPS-B-T-2231-ESAB.

Bay Number 8

FCAW welding of fillet welds located on Light Pole Base component identified as LB3001-001 weld no.(s) 002, 004, 007, 009, 003, 005, 008, & 010. Welder is identified as welder no. 054459. The welding variables recorded by ZPMC QC identified as Liu Fa Wen appeared to comply with applicable WPS(s) WPS-B-T-2132-ESAB.

Bay Number 9

This QA inspector performed UT of approximately 10% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an UT report for this date. All components were as listed on NWIT notification no. 09061. The member(s) is/are identified as OBG Traveler Rail and Sub Assembly components identified below with the following identifying weld no.(s):

- 1. 3014TR1-002-001, 002.
- 2. 3016TR2-001-003, 004.
- 3. 3013TR1-001-001, 002.
- 4. 3016TR4-002-007, 008.
- 5. GGL-MQ-1770-X5001B-001~039-001.
- 6. GGL-MQ-1770-X5001A-001~039-001.
- 7. GGL-MQ-1770-X8031-D-001, F-001, G-001, G-002, G-003, H-001, H-002, H-003, L-001, M-001.
- 8. GGL-MQ-1770-X8523-D-001, F-001, G-001, G-002, G-003, H-001, H-002, H-003, L-001, M-001.
- 9. X5000E-001 & X5000D-001.

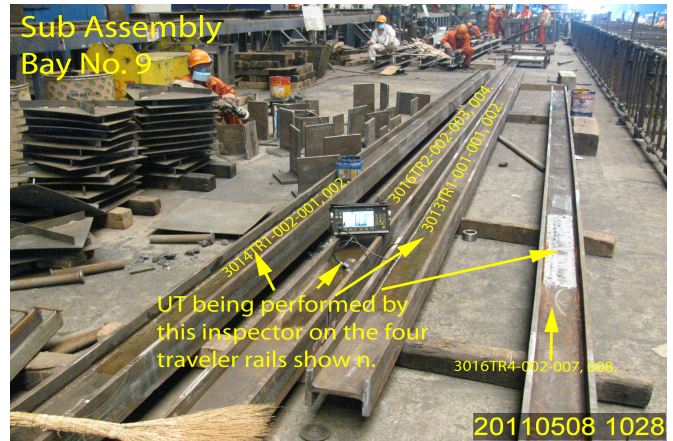
FCAW welding of complete joint penetration welds located on Traveler Rail component identified as

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3009TR2-001 weld no.(s) 018 & 025. Welder is identified as welder no. 059421. The welding variables recorded by ZPMC QC identified as Chen Shigang appeared to comply with applicable WPS(s) WPS-B-T-2231-ESAB.

Unless otherwise noted above all items observed on this day appeared to be in general compliance with the applicable contract documents



Summary of Conversations:

Pertinent conversations are included in the body of the report.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 1500-0042-02372, who represents the Office of Structural Materials for your project.

Inspected By: Hernandez,Rene

Quality Assurance Inspector

Reviewed By: Hall,Steven

QA Reviewer
